

ELKTONIA PARK & CARR'S BEACH CONCEPT

RESILIENCE
AUTHORITY

Annapolis and Anne Arundel County

SCAPE
UNDERWOOD
& ASSOCIATES

ENGAGEMENT OPEN HOUSE BOARDS



Activating the Beach

Which of the following images resonate with you for the activities that can occur at Carr's Beach Development?

People can launch kayaks from the Elkton Harbor Park across the street. Culture there is a parking lot and paddle out of Back Creek into the Bay.

need water taxi to provide access other than parking

One possible kayak option: partner with the Canton Kayak Club, which has a launch area in the Chesapeake Harbor community.



Swimming



Kayaking



Citizen Science



Sun Bathing



Fishing



Seating



Elktonia-Carr's Beach Open House
January 2025



Design of the Beach

Which of the following images resonate with you for the design features at the Carr's Beach Development?



Assateague State Park



Assateague State Park



Matapeake Beach



Matapeake Beach



Oxford



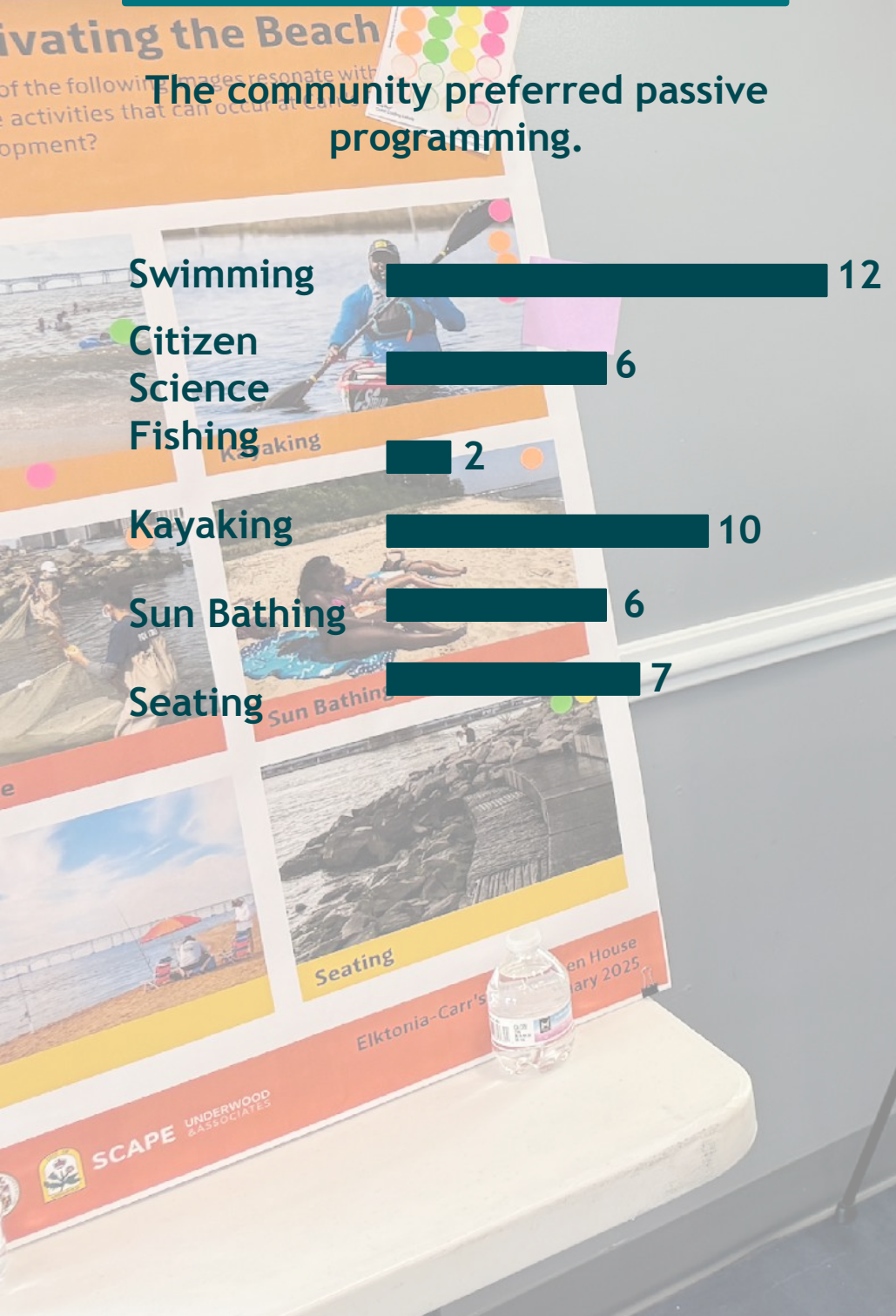
Oxford



Elktonia-Carr's Beach Open House
January 2025

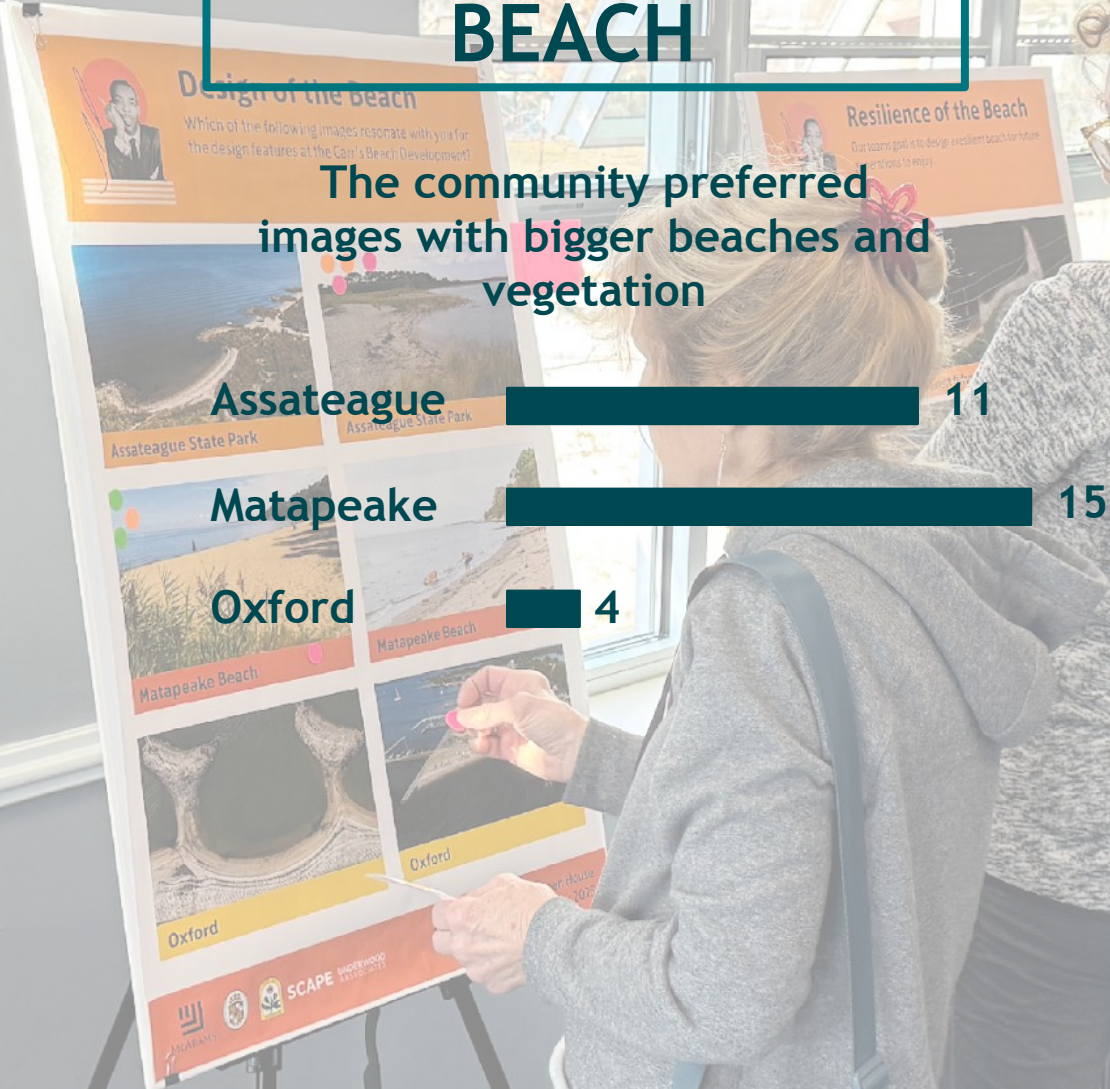
ACTIVATING THE BEACH

The community preferred passive programming.



DESIGN OF THE BEACH

The community preferred images with bigger beaches and vegetation



RESILIENCE OF THE BEACH

The community showed appreciation for the technical influences that inform the beach redesign. They are strong advocates for this proejct.

Residents to the south from Chesapeake Harbor expressed multiple times the desire for this project to have a larger improvement including their beach.

A BEACH THAT CANNOT SUPPORT PUBLIC GATHERING & CELEBRATION

THE NARROW BEACH IS VULNERABLE TO SEA LEVEL RISE & EROSION

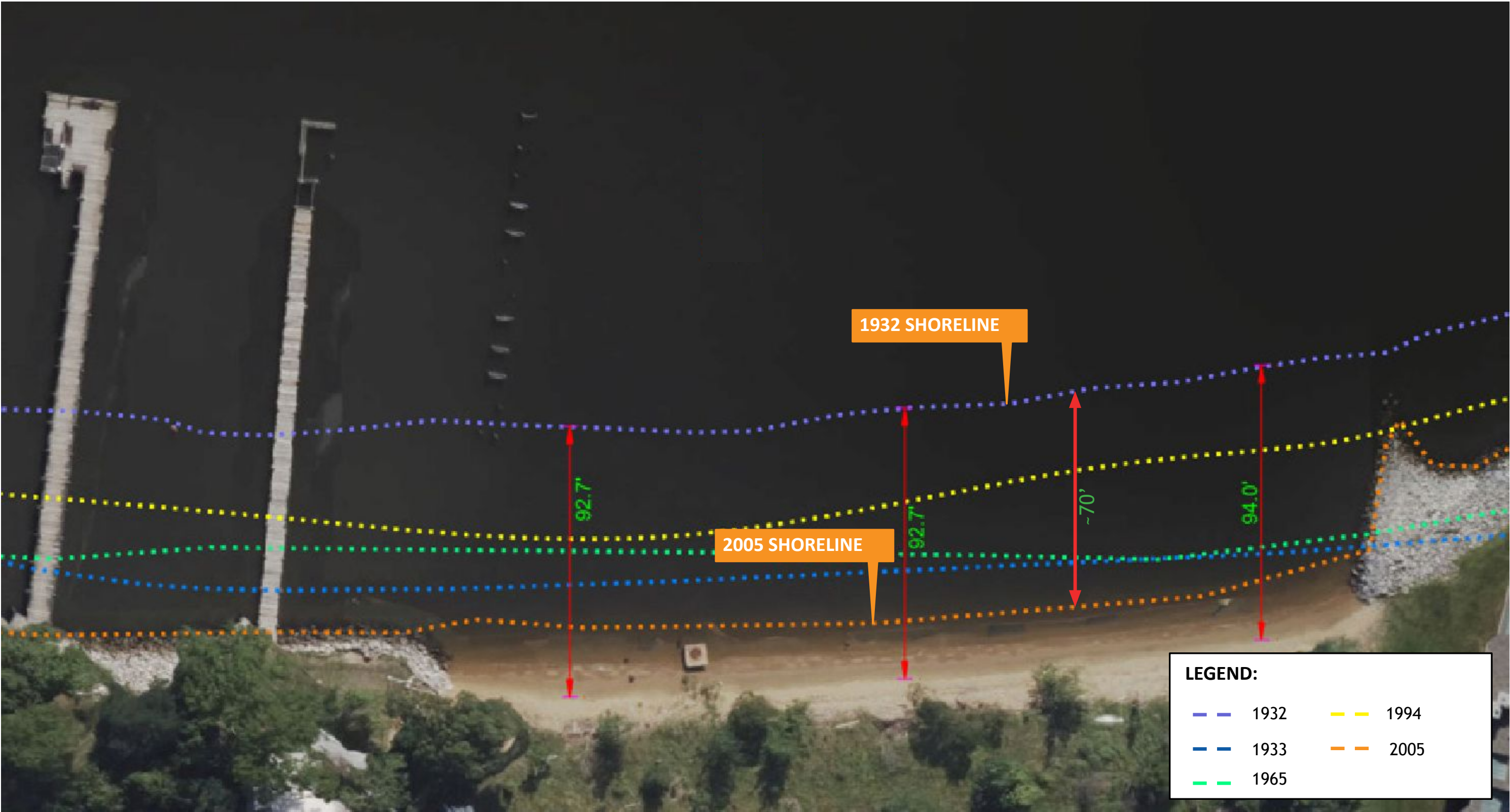
THE BEACH IS TOO NARROW TO SUPPORT ACTIVE, PUBLIC USE & HONOR THE CULTURAL & HISTORICAL SIGNIFICANCE OF THE BEACH AS A GATHERING PLACE

EXPOSED SEWER MANHOLE

NARROW BEACH

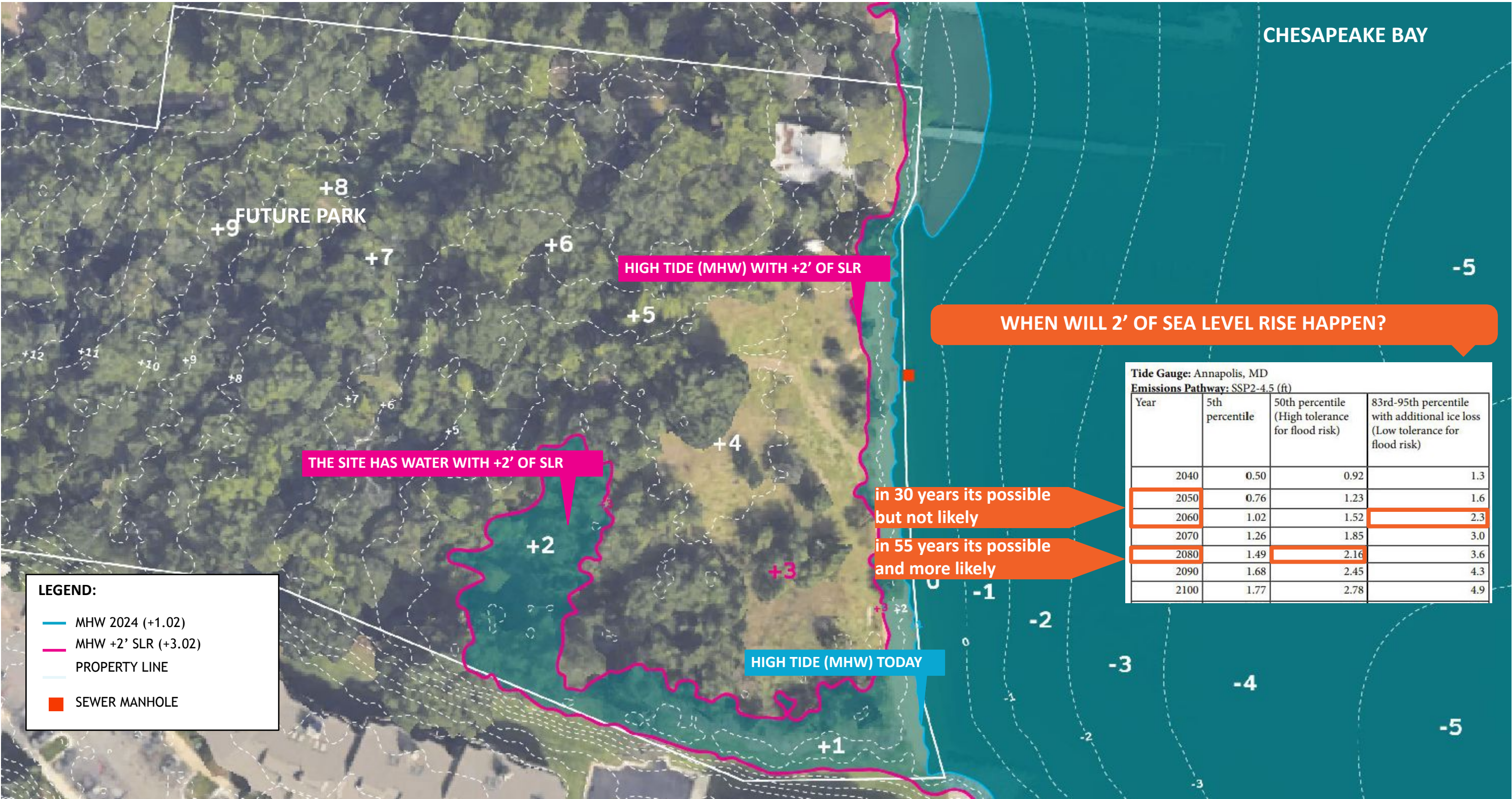
PROJECTED SEA LEVEL RISE & TIDAL FLOODING

SINCE 1994 CARR'S BEACH HAS ERODED ALMOST 60'



PROJECTED SEA LEVEL RISE & TIDAL FLOODING

WITH 2' OF SLR THE BEACH AS YOU KNOW IT IS GONE



DESIGN CRITERIA

ENVIRONMENTAL CRITERIA

IMPROVE SHORELINE & UPLAND
HABITAT, IMPROVE WATER
QUALITY

STABILIZE THE SHORELINE TO
SLOW FUTURE EROSION

INTEGRATE FLOOD RESILIENCE
INTO THE BEACH DESIGN

SOCIAL CRITERIA

CREATE A WIDE BEACH TO
SUPPORT PUBLIC GATHERING

CELEBRATE THE BEACH'S
CULTURAL HISTORY

RESTORE THE PHYSICAL &
EMOTIONAL CONNECTION WITH
THE BAY

OPERATIONAL CRITERIA

SUPPORT PUBLIC GATHERING &
SWIMMING USES

RELOCATE THE MANHOLE
STRUCTURE

DESIGN SHOULD PLAN FOR
BEACH OPERATIONS TO
CONTINUE WITH 2' OF SEA
LEVEL RISE

CARR'S BEACH TODAY

DESIGN PARAMETERS



CARR'S BEACH FUTURE - ENLARGEMENT



BEACH PROGRAM



Swimming



Kayaking



Citizen Science



Fishing



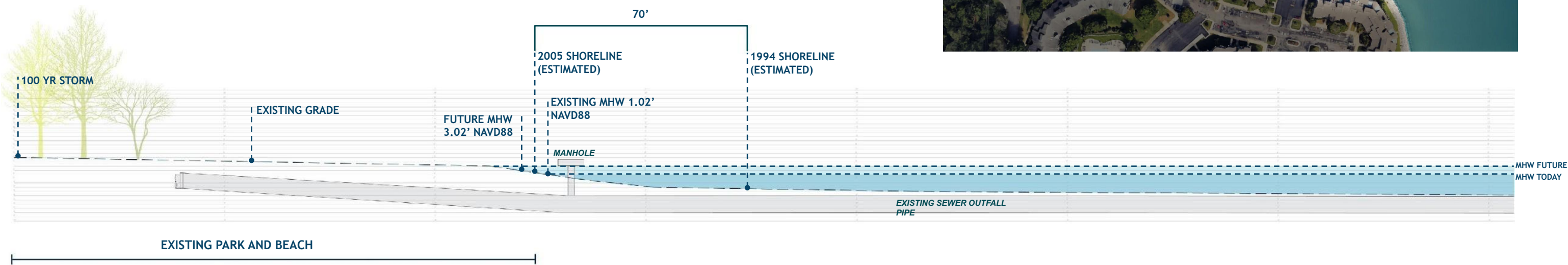
Sun Bathing



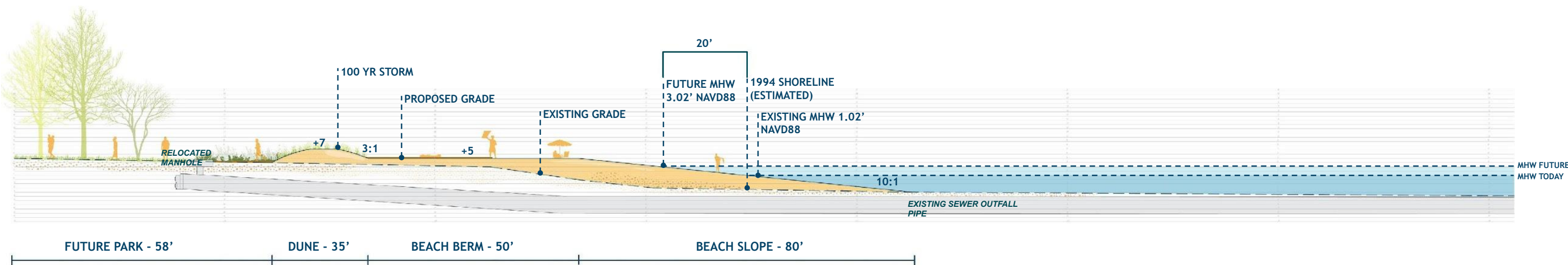
Seating

CARR'S BIG BEACH SECTION

EXISTING CONDITION

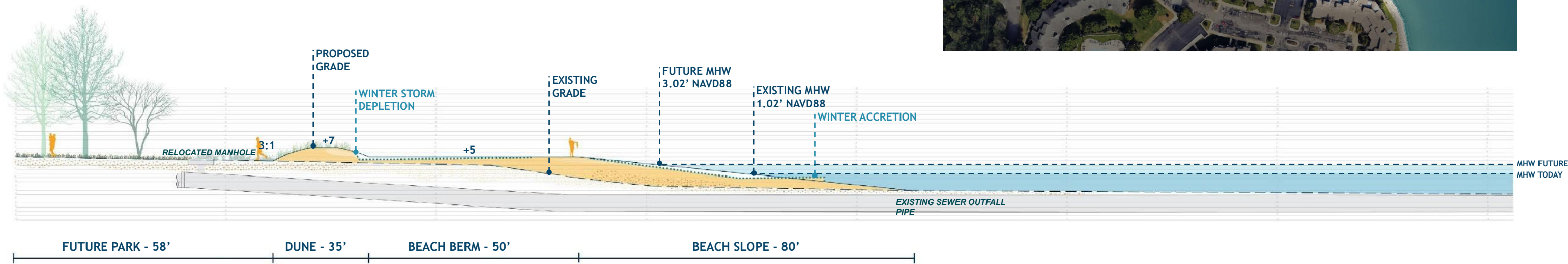


PROPOSED DESIGN

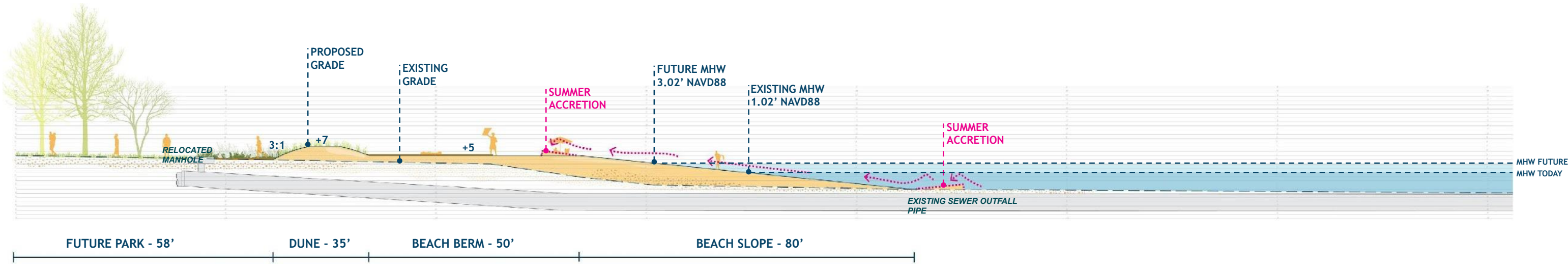


ANNUAL SHORELINE MOVEMENT SECTION

WINTER BEACH MOVEMENT



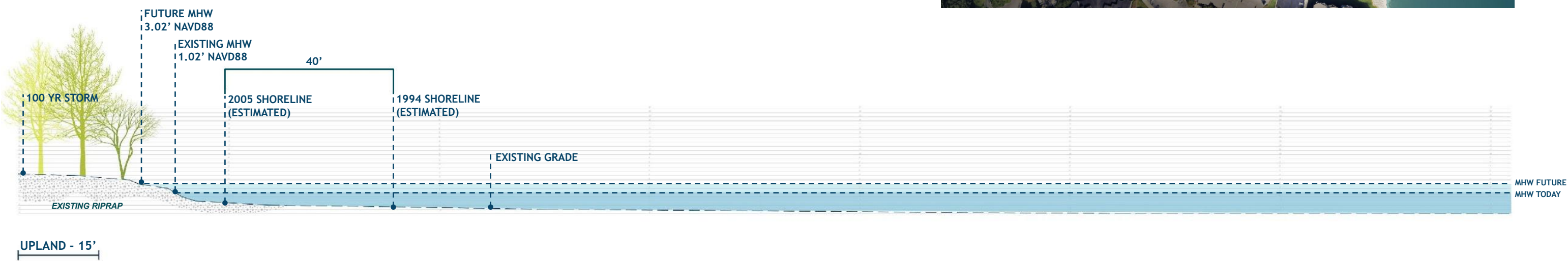
SUMMER BEACH MOVEMENT



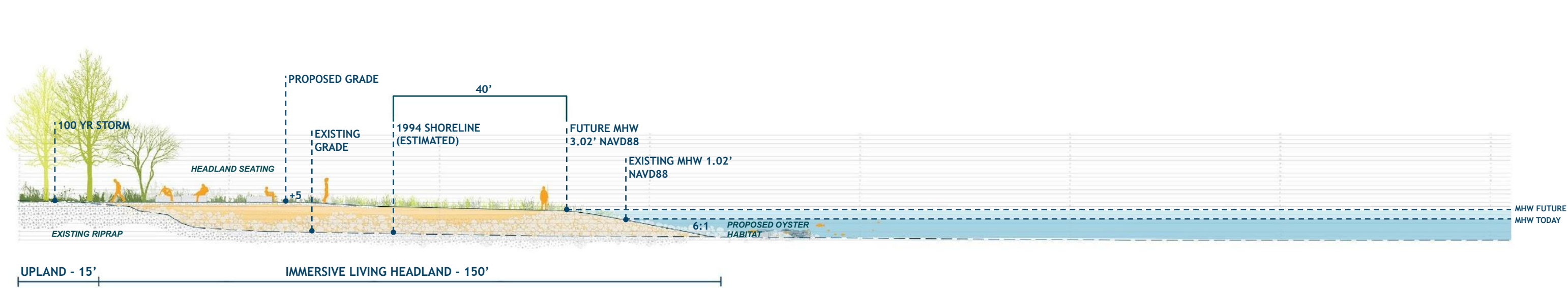
IMMERSIVE LIVING HEADLAND SECTION



EXISTING CONDITION

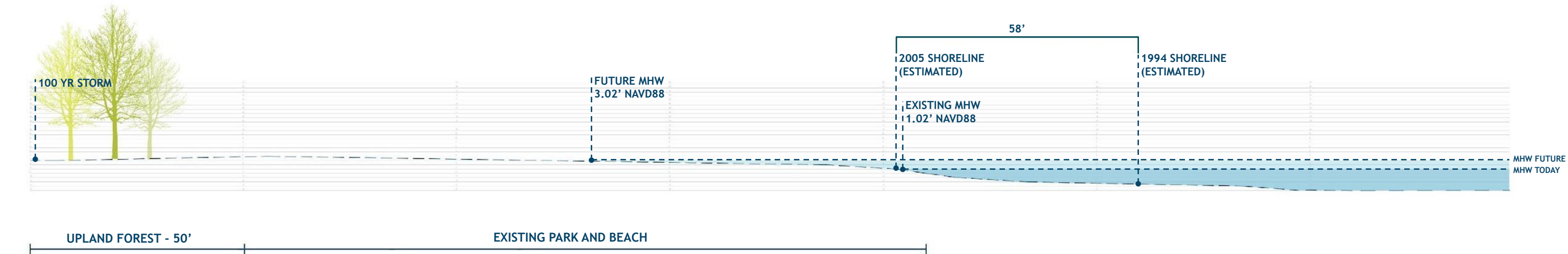
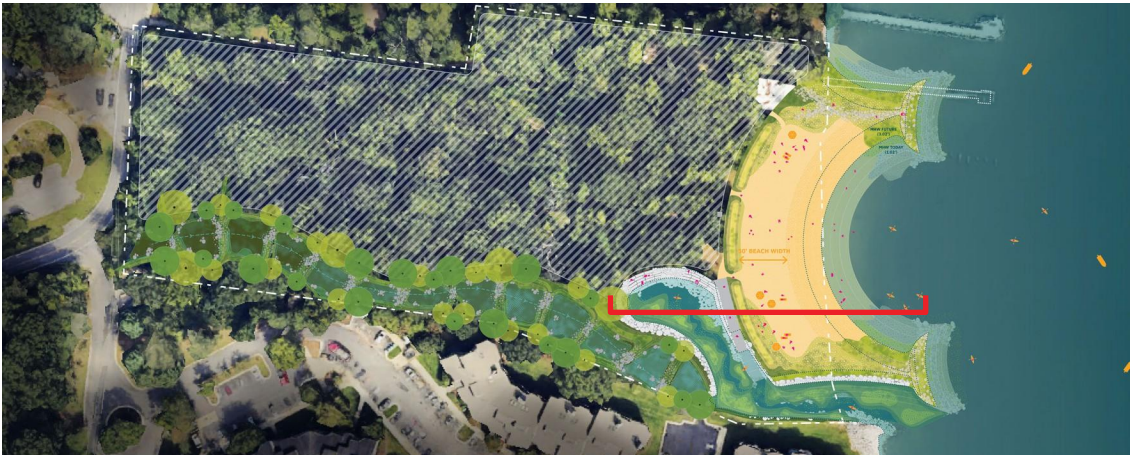


PROPOSED DESIGN

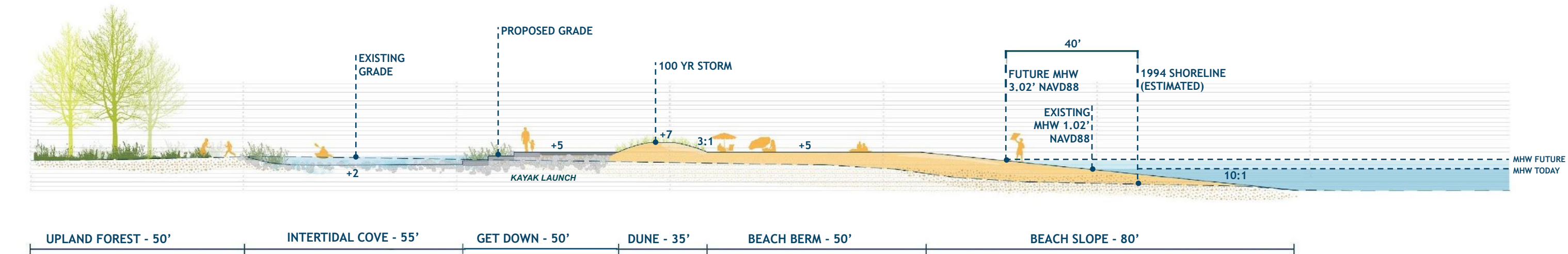


INTERTIDAL COVE SECTION

EXISTING CONDITION



PROPOSED DESIGN



CARR'S BEACH VIEW TODAY



CARR'S BEACH VIEW FUTURE



CARR'S BEACH BIRDSEYE TODAY



CARR'S BEACH BIRDSEYE FUTURE



CARR'S BEACH BIRDSEYE FUTURE

